

Title (en)
IMAGE FORMING APPARATUS AND QUALITY DETERMINATION METHOD

Title (de)
BILDERZEUGUNGSVORRICHTUNG UND QUALITÄTSBESTIMMUNGSVERFAHREN

Title (fr)
APPAREIL DE FORMATION D'IMAGE ET PROCÉDÉ DE DÉTERMINATION DE QUALITÉ

Publication
EP 3330084 A4 20180815 (EN)

Application
EP 16830446 A 20160722

Priority
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• JP 2016071539 W 20160722

Abstract (en)
[origin: EP3330084A1] Provided are an image forming apparatus and a quality determination method by which the quality of each of a plurality of normal images allocated to a recording medium can be easily and appropriately determined. The image forming apparatus is provided with: recording means for applying color material to a recording medium in accordance with a recording operation of a plurality of recording elements; image forming control means for causing the recording means to form on the recording medium a composite image including a test image and a plurality of normal images to be formed, the normal images being allocated to a recording range on the recording medium; reading means for reading the image formed on the recording medium; failure detection means for detecting failures in the recording operation performed by the recording elements, from the test image read by the reading means; and determination means for determining the quality of each of the plurality of normal images on the basis of the result of the failure detection in the recording operation, obtained by the quality detection means, and arrangement information relating to each of the images in the composite image.

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Citation (search report)
• [XI] WO 2007132726 A1 20071122 - TORAY ENG CO LTD [JP], et al
• [X] US 2013329144 A1 20131212 - FUKASAWA TAKUYA [JP], et al
• [X] US 2005046658 A1 20050303 - KOJIMA TOSHIYA [JP]
• [E] US 2017066268 A1 20170309 - KYOSO TADASHI [JP], et al

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Designated extension state (EPC)
BA ME

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EP 16830446 A 20160722; CN 201680043779 A 20160722; JP 2016071539 W 20160722; JP 2017530835 A 20160722; US 201615747493 A 20160722